

### **ABSTRACT OF THE DISCLOSURE**

A process for removing residues from the microstructure of an object is provided, which comprises steps of preparing a remover including CO<sub>2</sub>, an additive for  
5 removing the residues and a co-solvent dissolving the additive in said CO<sub>2</sub> at a pressurized fluid condition; and bringing the object into contact with the remover so as to remove the residues from the object. An apparatus for implementing the process is also provided.